ABOUT THE DEPARTMENT

The Department of Statistics is among the nation's oldest and most prestigious, having been founded by renowned statistician Gertrude Cox in 1941. With its emphasis on quality instruction, real-world work experience and collaborative, multidisciplinary initiatives, the department is recognized as a world leader in education and research.

Our faculty have received numerous honors: many are Fellows of the American Statistical Association and other professional societies, and several are members of NC State's Academy of Outstanding Teachers. Our students have also won local and national awards for their outstanding academic performance.

RESEARCH & TEACHING

We provide a dynamic environment for teaching and learning statistics, core statistics research and interdisciplinary research. Our diverse and data-driven research interests include the following:

- Bayesian Inference
- Big Data
- Bioinformatics
- Biomathematics
- Biostatistics
- Data Mining and Machine Learning
- Environmental and Spatial Statistics
- Financial Statistics
- Functional Data Analysis
- Mathematical Statistics
- Measurement Error
- Model Selection
- Non-parametric and Semi-parametric Statistics
- Statistics Education
- Time Series

ACADEMIC PROGRAMS

The statistics graduate program is the largest in the country, with over 150 students. It attracts a diverse set of quality students from the US and around the world.

Our new online graduate program offers the Master of Statistics degree, which can be completed entirely online, and two online certificates: Applied Statistics and Data Management; and Statistics Education.

The undergraduate program is one of the largest in the country with about 140 students. Double majors of Statistics with Mathematics or Economics are common, and research projects are popular.

DEGREES & CERTIFICATES

- Bachelor's, Master's, and Ph.D.
- One-year On-campus Master's
- Online Master's
- Certificates in Applied Statistics and Data Management; and Statistics Education
OUR MISSION
The Department of Statistics is committed to outstanding research, teaching, mentoring, consulting and collaborations on campus and world-wide within a cohesive and diverse department, where all students, faculty and staff receive fair and equitable treatment.

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OPPORTUNITIES
Students benefit from research partnerships and traineeship programs held with public and private organizations located in Research Triangle Park and on NC State's Centennial Campus. There are many opportunities for our students to work with pharmaceutical, financial, and software development companies. Mentored teaching experiences are offered to students who are interested in faculty careers. Our alumni are employed in academia, industry and government and include department heads and CEOs of companies. They have excelled in careers such as biostatistics, data analytics and risk modeling.

DEPARTMENT OF STATISTICS
Training problem solvers
www.stat.ncsu.edu